Figure 1: Overall Configuration
of SAN Infrastructure on Demand (SIoD) Service System

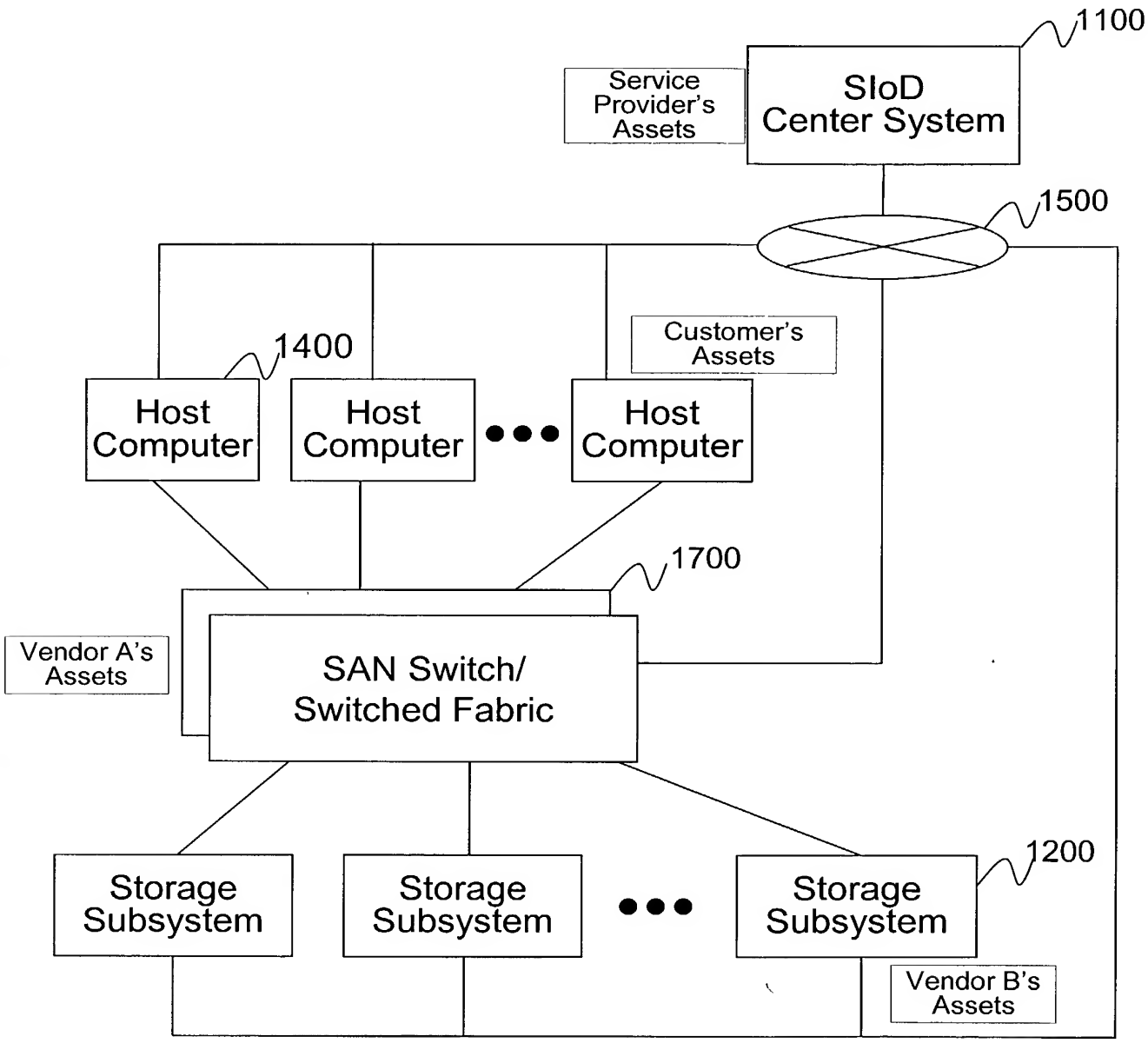

Figure 2: Configuration of SIoD Center System 1100

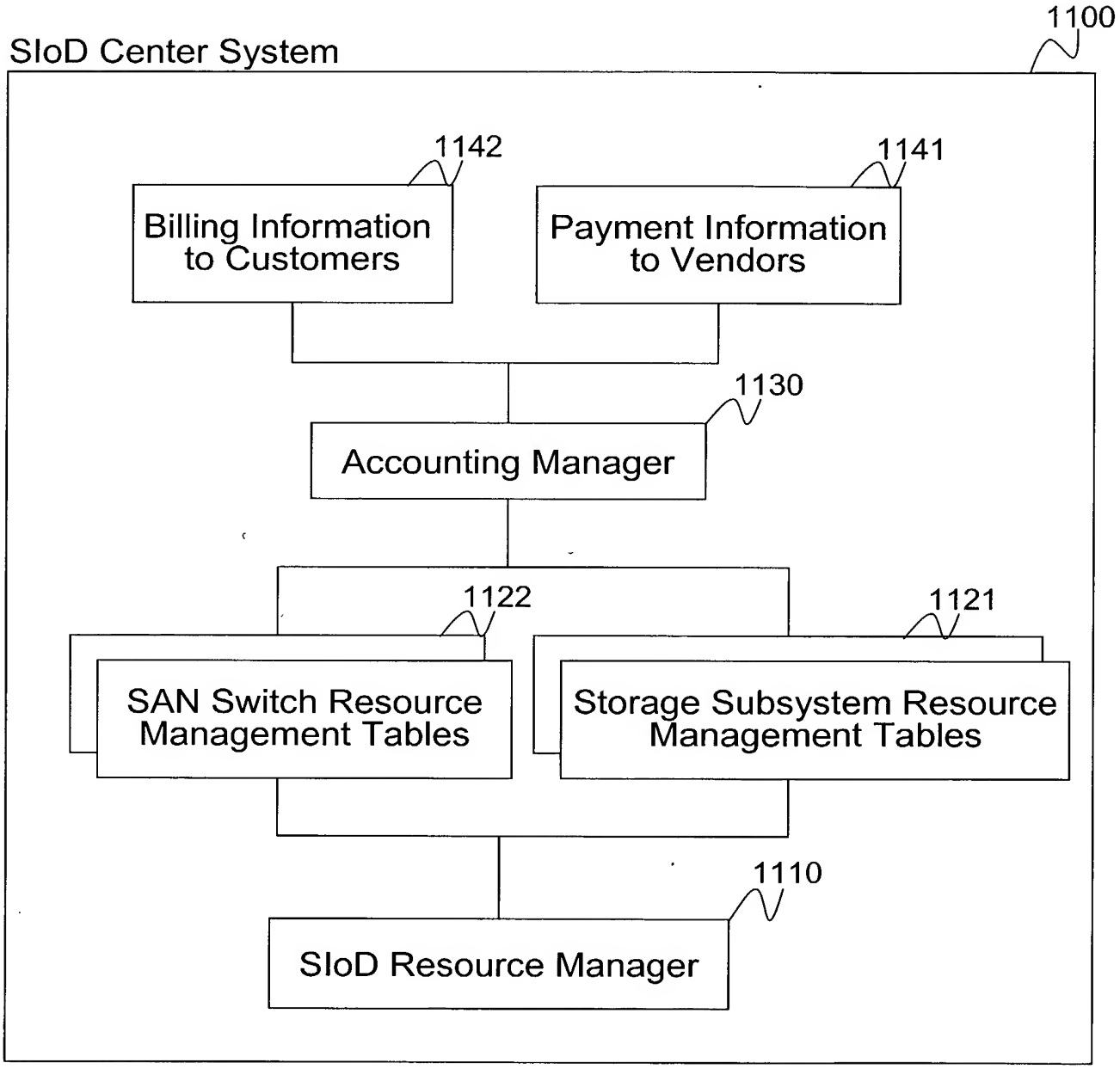

Figure 3: Configuration of Host Computer 1400

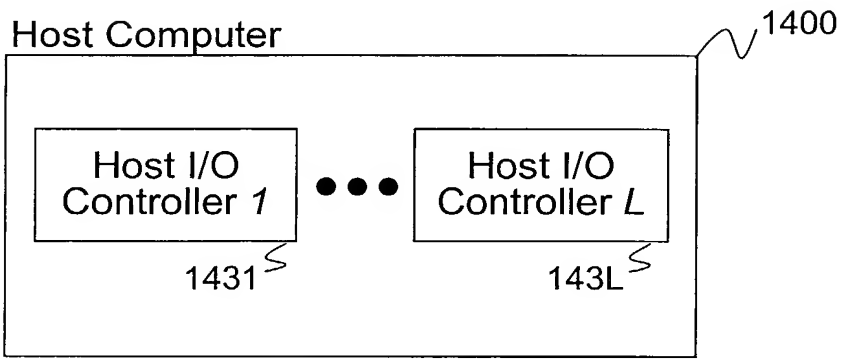

Figure 4: Configuration of SAN Switch 1700

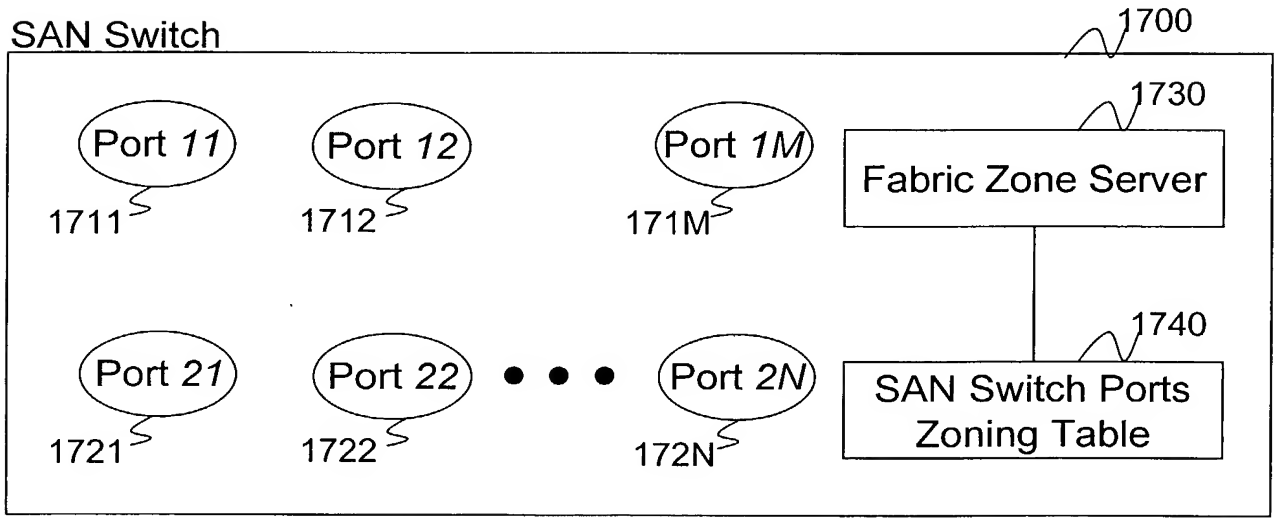

Figure 5: Configuration of Storage Subsystem 1200

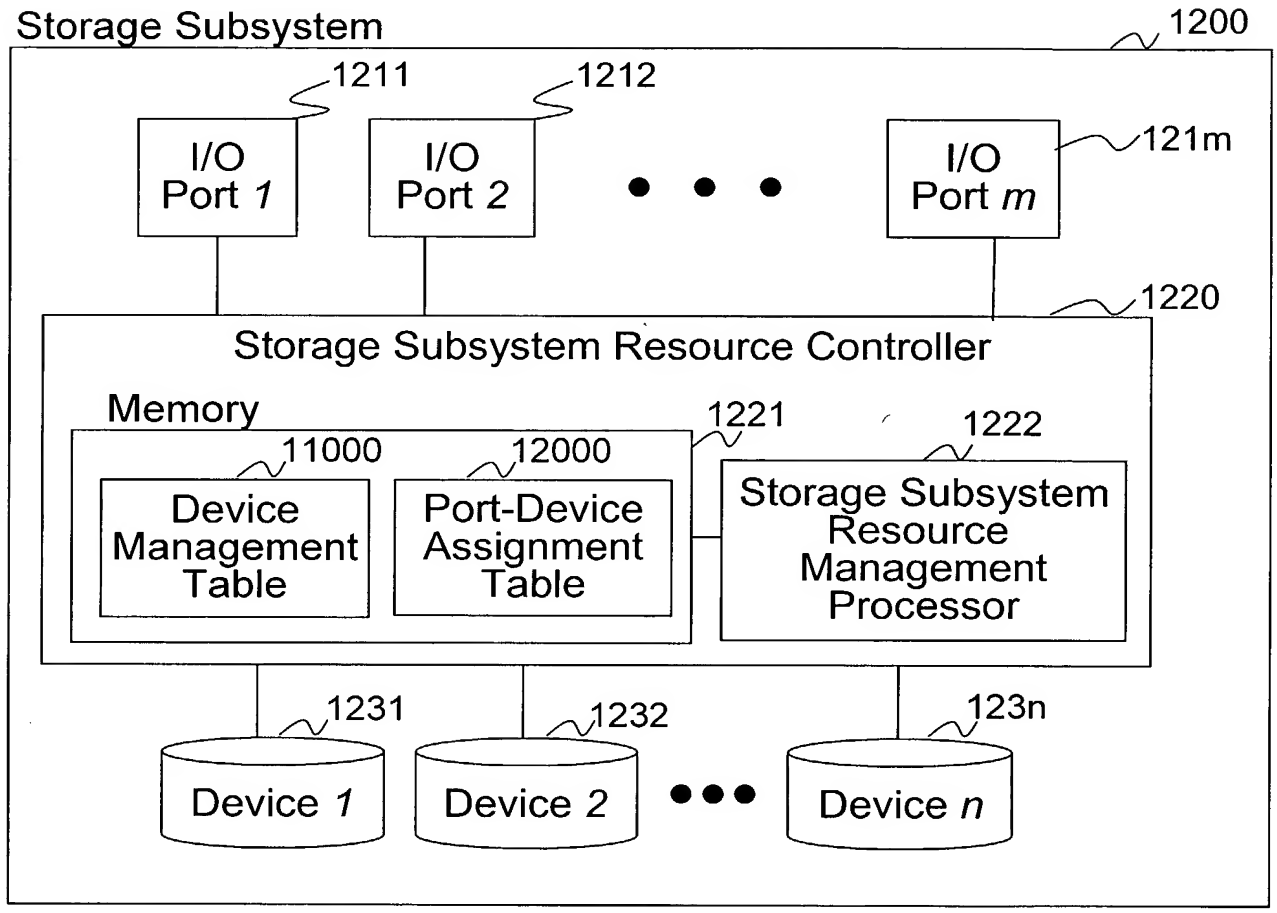

Figure 6: General Processing Flow of SIoD Center System 1100

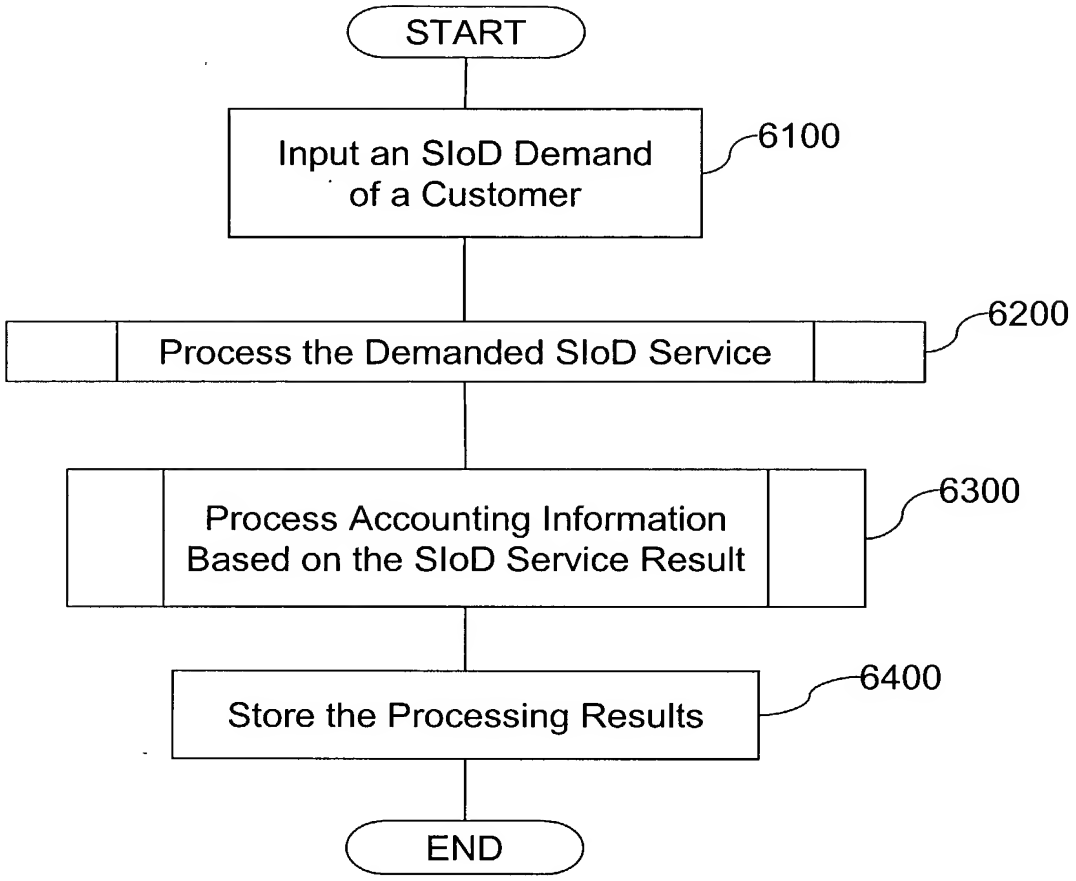

Figure 7: GUI of SIoD Demand Input
(Before SIoD)

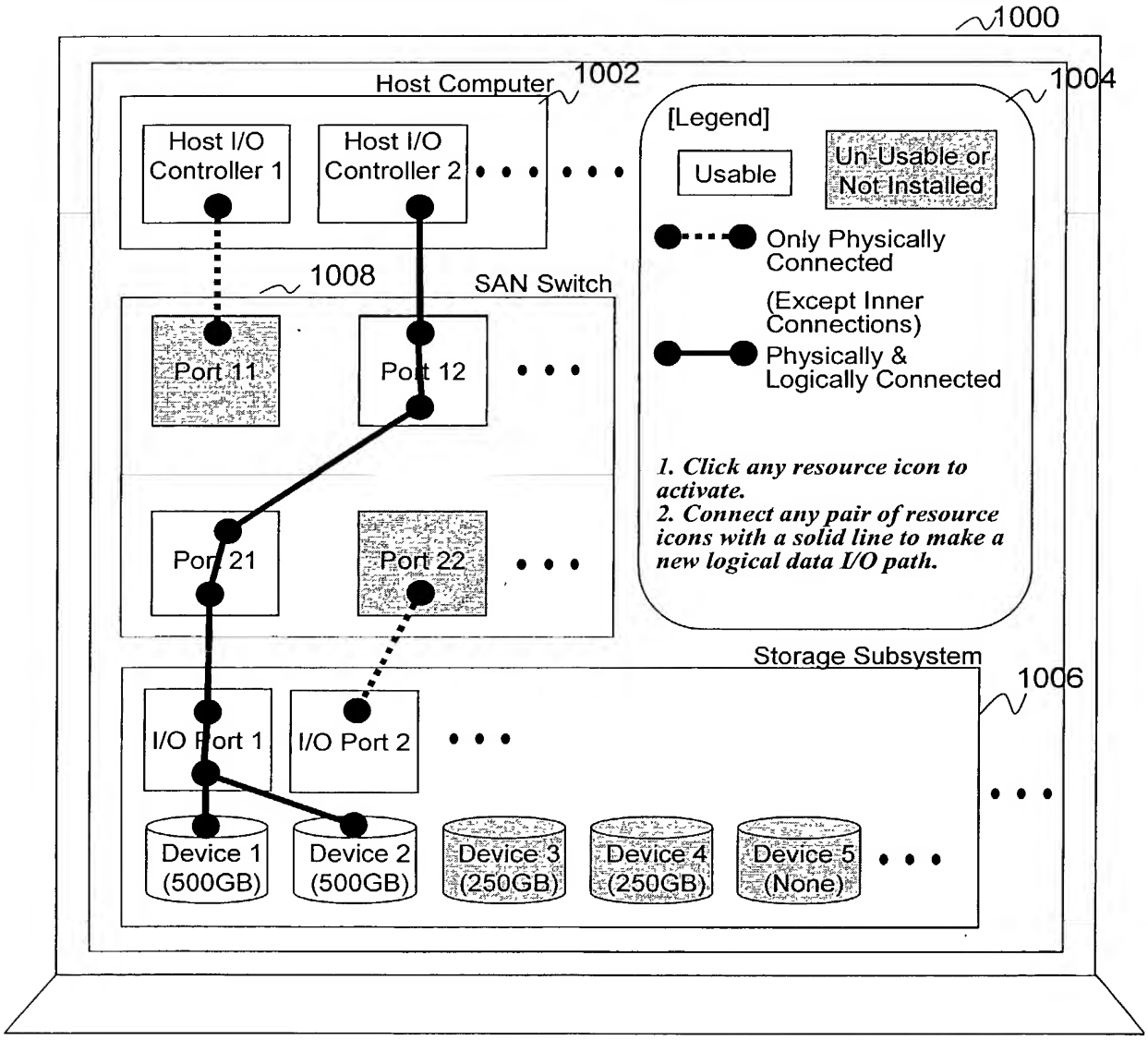

Figure 8: GUI of SloD Demand Input
(After SloD)

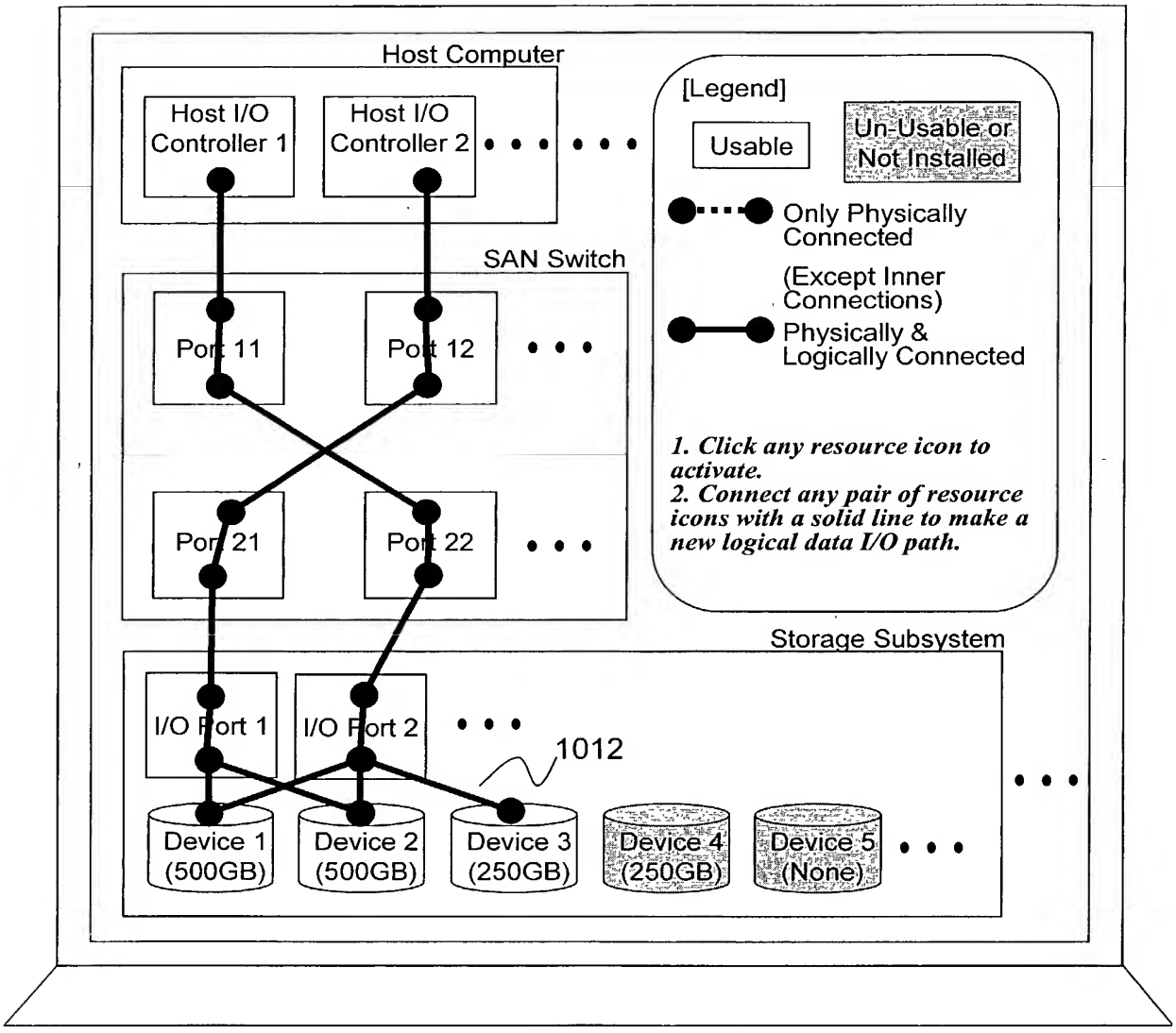

Figure 9: Detailed Processing Flow of Step 6200

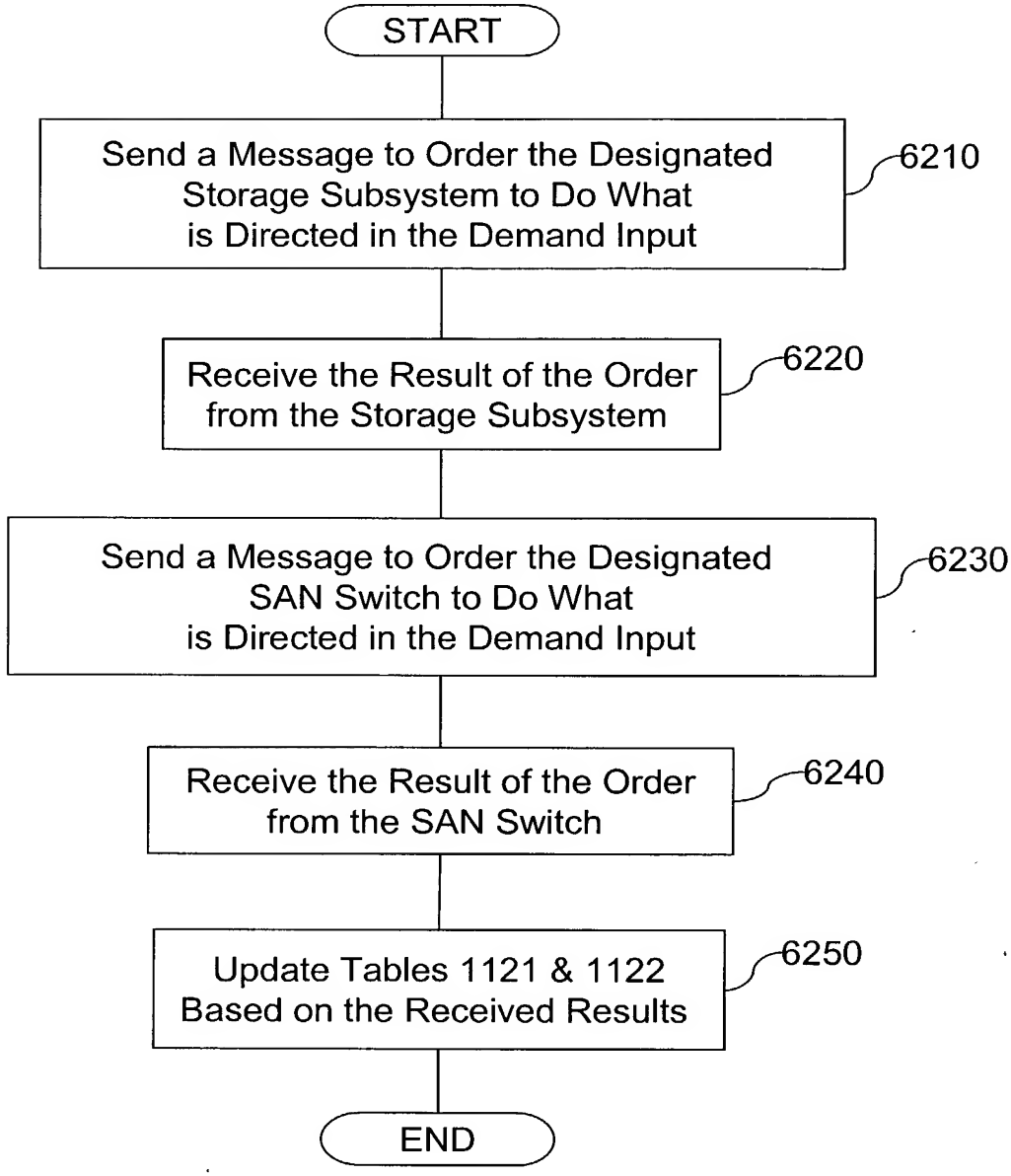

Figure 10: Processing Flow
of Storage Subsystem Resource Management Processor 1222

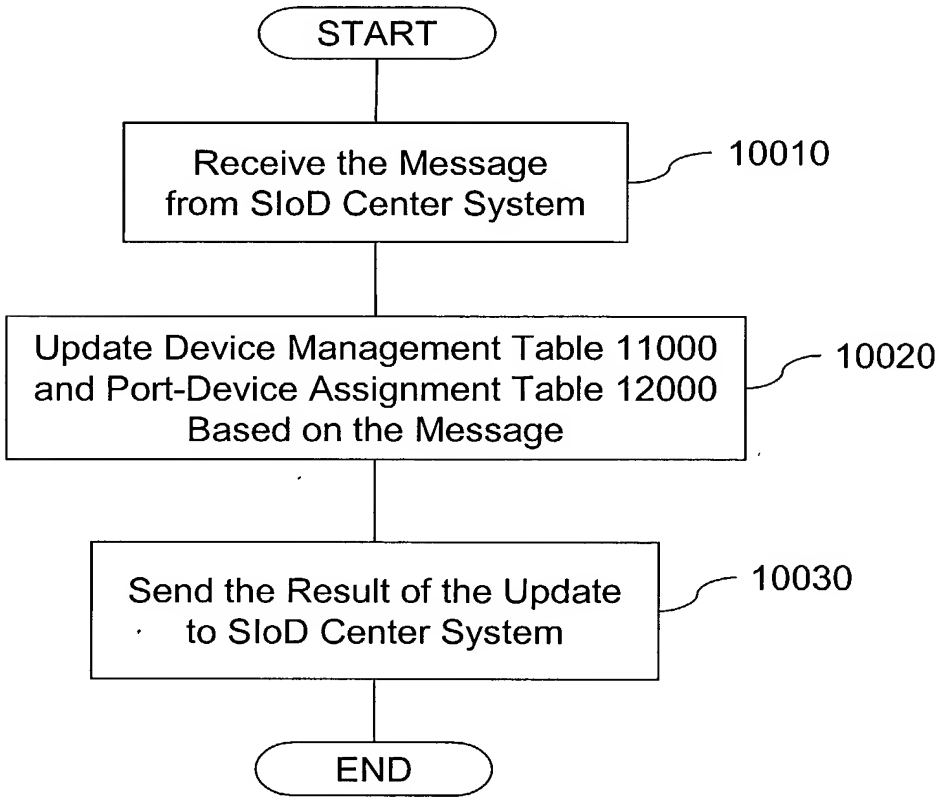

Figure 11: Device Management Table 11000
(Before SIoD Demand Processing)

11010 Device No.	11020 Customer ID	11030 Installation Status	11040 SoD Status	11050 Size
1	676851011	Installed	Usable	500 GB
2	676851011	Installed	Usable	500 GB
3	N/A	Installed	Un-Usable	250 GB
4	N/A	Installed	Un-Usable	250 GB
5	N/A	Not Installed	Un-Usable	N/A
⋮				
n	N/A	Not Installed	Un-Usable	N/A

11000

Figure 12: Device-Port Assignment Table 12000
(Before SIoD Demand Processing)

12010 I/O Port ID	12020 Installation Status	12030 Device No.
1211	Installed	1, 2
1212	Installed	None
1213	Not Installed	N/A
⋮		
121m	Not Installed	N/A

12000

Figure 13: Device Management Table 11000
(After SIoD Demand Processing)

11010 Device No.	11020 Customer ID	11030 Installation Status	11040 SoD Status	11050 Size
1	676851011	Installed	Usable	500 GB
2	676851011	Installed	Usable	500 GB
3	676851011	Installed	Usable	250 GB
4	N/A	Installed	Un-Usable	250 GB
5	N/A	Not Installed	Un-Usable	N/A
⋮				
n	N/A	Not Installed	Un-Usable	N/A

11000

Figure 14: Device-Port Assignment Table 12000
(After SIoD Demand Processing)

12010 I/O Port ID	12020 Installation Status	12030 Device No.
1211	Installed	1, 2
1212	Installed	1, 2, 3
1213	Not Installed	N/A
⋮		
121m	Not Installed	N/A

12000

Figure 15: Processing Flow of Fabric Zone Server 1730

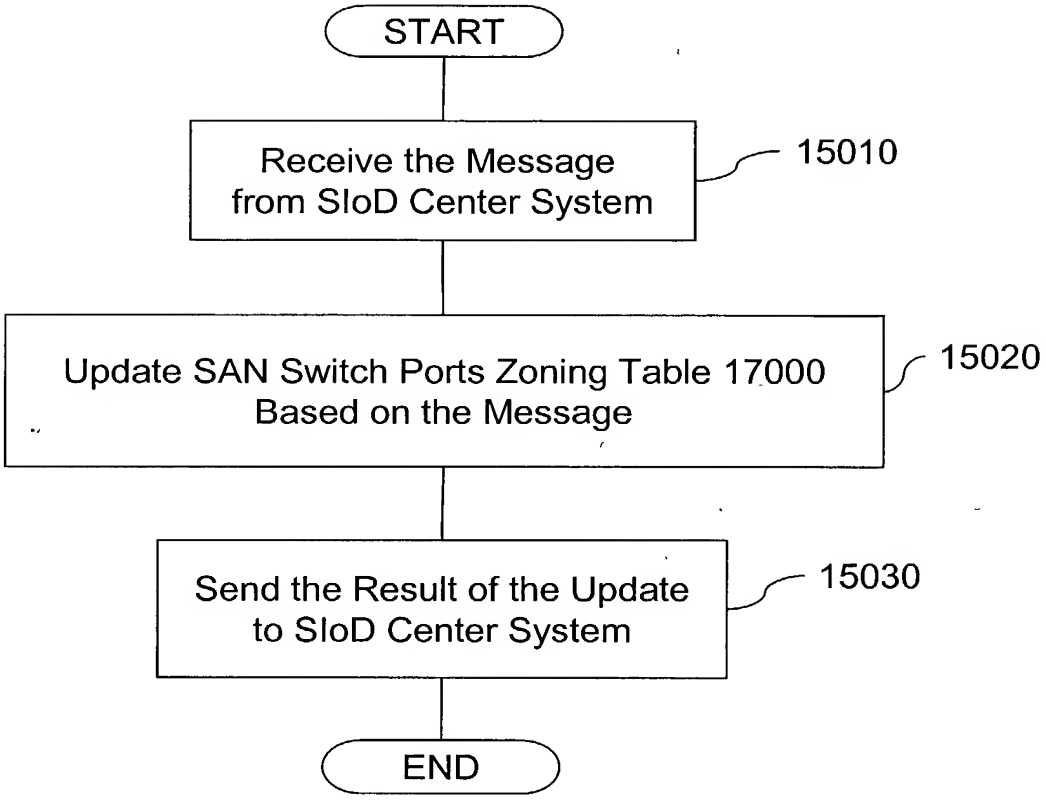

Figure 16: An Example of Changing Zone Setting

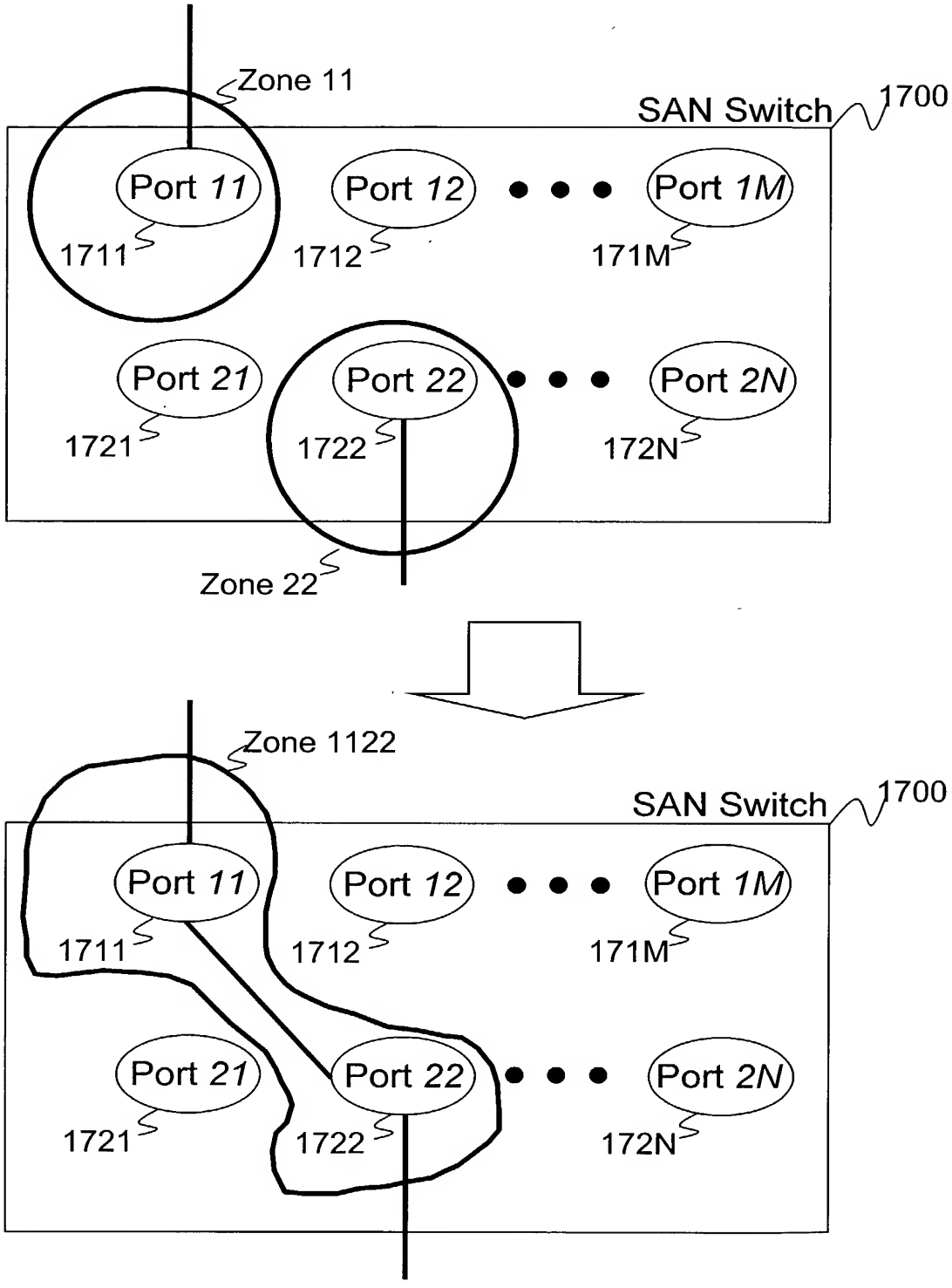

Figure 17: An Example of SAN Switch Ports Zoning Table 17000 (Before SIoD Demand Processing)

17010 17020 17030 17000

SAN Switch Port ID	Connected Device ID outside SAN Switch	Connected Ports IDs inside SAN Switch
1711	Host I/O Controller: 1431	None (Isolated)
1712	Host I/O Controller: 1432	1721
	• • •	
1721	I/O Port: 1211	1712
1722	I/O Port: 1212	None (Isolated)
	• • •	

Figure 18: An Example of SAN Switch Ports Zoning Table 17000 (After SIoD Demand Processing)

17010 17020 17030 17000

SAN Switch Port ID	Connected Device ID outside SAN Switch	Connected Ports IDs inside SAN Switch
1711	Host I/O Controller: 1431	1722
1712	Host I/O Controller: 1432	1721
	• • •	
1721	I/O Port: 1211	1712
1722	I/O Port: 1212	1711
	• • •	

Figure 19: Detailed Processing Flow of Step 6300

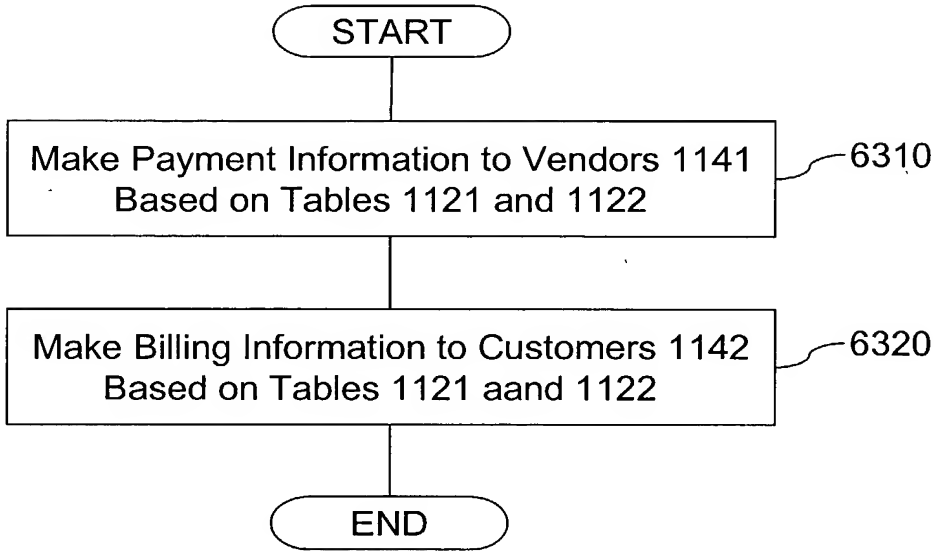

Figure 20: An Example of Billing Information to Customers

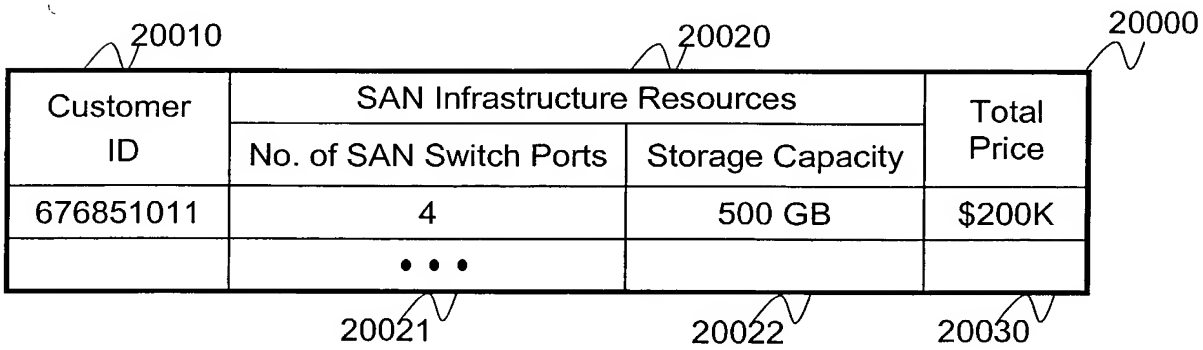

Figure 21: An Example of Payment Information to SAN Switch Vendors

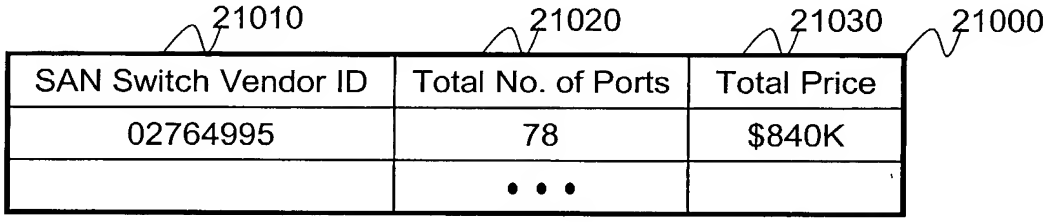

Figure 22: An Example of Payment Information to Storage Subsystem Vendors